



## The acceptability of climate change in agricultural communities: Comparing responses across variability and change

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### Abstract:

This study examined how the terms used to describe climate change influence landholder acceptability judgements and attitudes toward climate change at the local scale. Telephone surveys were conducted with landholders from viticultural (n Euro Surveillance (Bulletin European Sur Les Maladies Transmissibles; European Communicable Disease Bulletin) 97) or cereal growing (n Euro Surveillance (Bulletin European Sur Les Maladies Transmissibles; European Communicable Disease Bulletin) 195) backgrounds in rural South Australia. A variety of descriptive and inferential statistics were used to examine the influence of human-induced climate change and winter/spring drying trend terms on adaptation responses and uncertainties surrounding climate change science. We found that the terms used to describe climate change leads to significant differences in adaptation response and levels of scepticism surrounding climate change in rural populations. For example, those respondents who accepted human induced climate change as a reality were significantly more likely to invest in technologies to sow crops earlier or increase the amount of water stored or harvested on their properties than respondents who accepted the winter/spring drying trend as a reality. The results have implications for the targeting of climate change science messages to both rural landholders and communities of practice involved in climate change adaptation planning and implementation.

**Source:** <http://dx.doi.org/10.1016/j.jenvman.2012.11.003>

### Resource Description

#### Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience: ☒

audience to whom the resource is directed

Public

#### Exposure : ☒

weather or climate related pathway by which climate change affects health

# Climate Change and Human Health Literature Portal

Extreme Weather Event, Food/Water Security

**Extreme Weather Event:** Drought

**Food/Water Security:** Agricultural Productivity

**Geographic Feature:** 

resource focuses on specific type of geography

None or Unspecified

**Geographic Location:** 

resource focuses on specific location

Non-United States

**Non-United States:** Australasia

**Health Impact:** 

specification of health effect or disease related to climate change exposure

Health Outcome Unspecified

**Intervention:** 

strategy to prepare for or reduce the impact of climate change on health

A focus of content

**Mitigation/Adaptation:** 

mitigation or adaptation strategy is a focus of resource

Adaptation

**Population of Concern:** A focus of content

**Population of Concern:** 

populations at particular risk or vulnerability to climate change impacts

Workers

**Resource Type:** 

format or standard characteristic of resource

Research Article

**Resilience:** 

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

**Timescale:** 

time period studied

Time Scale Unspecified